

**FINAL**

**TRANSPORT  
STATEMENT**

for

**TEMPORARY FIVE-A-  
SIDE FOOTBALL  
CENTRE at  
EUSTON SQUARE**

on behalf of

**BRITISH LAND**

IW/lm/E/208366  
7<sup>th</sup> May 2009

Title: Transport Statement  
Project: Euston Square  
Client: British Land  
Issue: Final  
Project No. E/208366

Prepared by:  ..... Date 7/5/09  
Checked by:  ..... Date 7/5/09  
Authorised for issue by  ..... Date 7/5/09

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5. PTAL summary and details for the Old Street Site

## 1. INTRODUCTION

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### Proposal

- 1.1 Powerleague Fives Ltd is proposing to temporarily use a vacant British Land development site on the Regents Place Estate in the London Borough of Camden for a temporary five-a-side football centre.
- 1.2 The site is located at the corner of Drummond Street and Hampstead Road and bounded by Hampstead Road, Drummond Street and Triton Square (a.k.a. North East Quadrant), Regents Place, London.
- 1.3 The site benefits from an extant consent for comprehensive redevelopment of office, residential, retail and community uses (2007/0823/P). Powerleague are seeking temporary planning permission to operate a football centre on the site for a temporary period of 18 months. Currently the site is vacant bar a site office.
- 1.4 The proposal consists of six 5-a-side football pitches, one 7-a-side football pitch and pavilion and changing facilities. No car parking is to be provided on-site as part of the development. 33 cycle parking spaces are to be provided at the site in accordance with LB Camden's and Transport for London's (TfL) policies.
- 1.5 Due to no car parking being provided on-site the only traffic predicted to be associated with the proposals is servicing which is likely to be once per fortnight in order to re-stock vending machines on-site. The servicing will utilise the existing access on Drummond Street. The access gate onto Drummond Street is to be locked at all times and opened only for deliveries, in order to prevent unauthorised access to the site.

## 2. LOCATION

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- 2.1 The site is located within easy walking distance of a high number of public transport nodes, and within walking and cycling distance of many office buildings. By using TfL's Public Transport Accessibility Level (PTAL) website for the site, a Public Transport Accessibility Indices (PTAI) value of 84.58 has been calculated for the site. This equates to a PTAL of 6(b), which is the highest accessibility level possible.
- 2.2 The original TfL PTAL data for the site is attached at *Appendix 1*.
- 2.3 The site has access to 21 bus routes from bus stops at Great Portland Street, Hampstead Road, Albany Street, Warren Street, Euston Road, Euston Square Station and Euston Bus Station, all within easy walking distance of the site.
- 2.4 Further to the excellent bus accessibility the site is served in easy walking distance by Warren Street, Euston Square, Euston and Regent's Park London Underground Stations. When combined, this is 6 separate underground lines serving most of the underground network directly.
- 2.5 Finally, the site is within a 10 minute walk from Euston Station, which provides access to a large number of overground train services serving a large range of destinations to the north of London.
- 2.6 Table 2.1 shows the walking distance between the proposed site and the various transport nodes.

**Table 2.1 – Distance from site to transport node**

Transport Node	Mode of Transport	Distance from Proposed Site (Metres)
Great Portland Street Station	Bus	533
Hampstead Road / Euston Road	Bus	24 - 134
Albany Street	Bus	45 - 100
Warren Street Station	Bus	124
Euston Road / Warren Street Station	Bus	98
Euston Square Station	Bus	288
Euston Bus Station	Bus	580
Euston Square	Underground	268
Euston Underground	Underground	769
Warren Street	Underground	123
Regent's Park	Underground	677
Euston Railway Station	Train	769

**NB – The maximum distance considered for PTAL assessments is 960 metres**

2.7 Overall, it can be concluded that the site has an exceptionally high level of public transport accessibility and is also in an ideal location to take advantage of local office workers wishing to play football following work. In this regard, the development is adjacent to the Regent's Place office development and University College London.

### 3. SIMILAR SITES

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- 3.1 In order to assess the likely levels of people travelling to a five-a-side centre by mode of travel, surveys have been conducted at similar five-a-side sites run by Powerleague in London. These have been undertaken during the busiest weekday evenings, between 5.30pm and 9.30pm, in order to assess travel modes people use to and from the sites.
- 3.2 The Liverpool Street site was surveyed on a Wednesday evening and the Old Street site was surveyed on a Thursday evening. This was decided after speaking with the centre managers of both sites in order to assess the busiest night for customers. No surveys were undertaken at the weekends due to Liverpool Street being closed on the Saturday and both areas having much lower patronage at weekends compared with weekdays.
- 3.3 The sites chosen are at Liverpool Street and Old Street, and are similar to the proposed development as neither site offers any car parking spaces for customers or staff, have good accessibility by public transport and the target customer base are office workers. Location plans for both of the surveyed centres are located at *Appendix 2* of this report.
- 3.4 Tables 3.2 - 3.4 show a summary of the data from each of the sites, with the raw survey results attached at *Appendix 3*

**Table 3.2 – Summary data of total number of customers arriving at the London Powerleague sites that have no car parking**

Time	Liverpool Street (4 pitches)	Old Street (4 pitches)
17.30 - 18.30	67	59
18.30 - 19.30	80	46
19.30 - 20.30	51	51
20.30 - 21.30	44	40
<b>TOTAL</b>	<b>242</b>	<b>196</b>

**Table 3.3 – Mode of Travel to the London Powerleague sites that have no car parking**

Mode of Travel to Site	Liverpool Street		Old Street	
	Number Surveyed	% Mode	Number Surveyed	% Mode
Bus	0	0	9	12
Underground	30	38	28	37
Train	3	4	0	0
Walk	36	46	27	36
Bicycle	2	3	7	9
Car Driver	4	5	1	1
Car Passenger	4	5	0	0
Taxi	0	0	4	5
<b>TOTAL</b>	<b>79</b>	<b>100</b>	<b>76</b>	<b>100</b>

**Table 3.4 – Mode of Travel from the London Powerleague sites that have no car parking**

Mode of Travel to Site	Liverpool Street		Old Street	
	Number Surveyed	% Mode	Number Surveyed	% Mode
Bus	8	10	8	11
Underground	27	34	42	55
Train	25	32	1	1
Walk	11	14	14	18
Bicycle	2	3	7	9
Car Driver	4	5	1	1
Car Passenger	2	3	0	0
Taxi	0	0	3	4
<b>TOTAL</b>	<b>79</b>	<b>100</b>	<b>76</b>	<b>100</b>

- 3.5 Over 30% of people at the Liverpool Street site have been surveyed and 38% at the Old Street site. This is a high sample rate of customers and provides a good representation of travel patterns to and from the site.
- 3.6 As can be observed from the above tables, very few people arrive or depart using cars. Four people interviewed drove to and from the Liverpool Street site, and only one drove to and from the Old Street site. 95% of people at the Liverpool Street site therefore used public transport, taxis, car-shared, used bicycles or walked to and from the site. This level of sustainable travel rises to 99% at the Old Street site.



- 3.7 Both the Liverpool Street and the Old Street centres benefit from excellent public transport links and a large level of office workers in the vicinity of the site. At both sites it is noticeable that a large proportion of people walk to the centres to play their matches (directly from a workplace), before using other forms of public transport (mainly the underground) in order to get home afterwards. This would be expected to be replicated at the proposed Euston Square site.
- 3.8 Using TfL's online PTAL service, both the Liverpool Street and Old Street sites have been assessed. The Liverpool Street site has a PTAL of 57.13 which equates to a level 6(b), the same as the Euston Square site, albeit with a lower PTAL score. The Old Street site has a PTAL value of 32.94 which equates to a level 6(a). Both have high levels of accessibility but neither site has as high a level of accessibility as the Euston Square site.
- 3.9 A copy of the Liverpool Street PTAL summary and details from TfL's online tool is attached at *Appendix 4*, and details of the PTAL summary for the Old Street site is attached at *Appendix 5*.

#### 4. CONCLUSION

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- 4.1 Overall, it can be seen that the proposed Powerleague five-a-side development at land close to Euston Square will be highly accessible for people by sustainable modes of travel, as well as serving a good catchment of local offices and businesses.
- 4.2 Method of travel questionnaires undertaken in November 2008 at existing London Powerleague centres that have no car parking provision show that over 95% of patrons travel to the site by methods other than car driving. These existing sites have equally high accessibility levels as the proposed Euston Square centre (which itself has a higher PTAI value than either site surveyed).
- 4.3 In addition to the PTAL / PTAI analysis, the proposed Euston Square site is to provide no car parking, which will help to promote sustainable travel to the site.

## **APPENDICES**

## APPENDIX 1

**PTAL Data for the  
Proposed Site**

Euston Sq PTAL Summary.txt

PTAI Study Report File Summary

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PTAI Run Parameters

PTAI Run: 20081111123127  
 Description: 20081111123127  
 Run by user: PTAL web application  
 Date and time: 11/11/2008 12:31

Walk File Parameters

Walk File: PLSQLTest  
 Day of Week: M-F  
 Time Period: AM Peak  
 Walk Speed: 4.8 kph  
 BUS Walk Access Time (mins): 8  
 BUS Reliability Factor: 2.0  
 LU LRT Walk Access Time (mins): 12  
 LU LRT Reliability Factor: 0.75  
 NATIONAL\_RAIL Walk Access Time (mins): 12  
 NATIONAL\_RAIL Reliability Factor: 0.75  
 Coordinates: 529204, 182395

Mode	Stop	Route	Distance (metres)	Frequency (vph)	Weight	Walk time (mins)	SWT (mins)	TAT (mins)				
EDF	AI											
BUS	GREAT PORTLAND ST STN	C2		532.96	10.0	0.5	6.66	5.0	11.66	2.57	1.29	
BUS	HAMPSTEAD RD EUSTON ROAD			88	10.07	9.0	0.5	0.13	5.33	5.46	5.5	2.75
BUS	GREAT PORTLAND ST STN	453		532.96	10.0	0.5	6.66	5.0	11.66	2.57	1.29	
BUS	**ALBANY ST CA. BOUNDARY	100		223.59	8.0	0.5	2.79	5.75	8.54	3.51	1.76	
BUS	**ALBANY ST CA. BOUNDARY	45		223.59	6.0	0.5	2.79	7.0	9.79	3.06	1.53	
BUS	**ALBANY ST CA. BOUNDARY	63		223.59	10.5	0.5	2.79	4.86	7.65	3.92	1.96	
BUS	HAMPSTEAD RD EUSTON ROAD			134	10.07	10.5	0.5	0.13	4.86	4.98	6.02	3.01
BUS	WARREN STREET STATION	10		124.16	10.0	0.5	1.55	5.0	6.55	4.58	2.29	
BUS	WARREN STREET STATION	390		124.16	8.0	0.5	1.55	5.75	7.3	4.11	2.05	
BUS	WARREN STREET STATION	30		124.16	7.5	0.5	1.55	6.0	7.55	3.97	1.99	
BUS	EUSTON RD WARREN ST STN	18		97.77	12.0	0.5	1.22	4.5	5.72	5.24	2.62	
BUS	HAMPSTEAD RD EUSTON ROAD			24	10.07	12.0	1.0	0.13	4.5	4.63	6.49	6.49
BUS	HAMPSTEAD RD EUSTON ROAD			27	10.07	6.0	0.5	0.13	7.0	7.13	4.21	2.11
BUS	HAMPSTEAD RD EUSTON ROAD			29	10.07	8.0	0.5	0.13	5.75	5.88	5.11	2.55
BUS	EUSTON SQUARE STATION	73		288.41	17.5	0.5	3.61	3.71	7.32	4.1	2.05	
BUS	EUSTON SQUARE STATION	205		288.41	6.0	0.5	3.61	7.0	10.61	2.83	1.41	
BUS	EUSTON BUS STATION	59		579.83	7.5	0.5	7.25	6.0	13.25	2.26	1.13	
BUS	EUSTON BUS STATION	253		579.83	12.0	0.5	7.25	4.5	11.75	2.55	1.28	

Euston Sq PTAL Summary.txt

BUS	EUSTON BUS STATION	168	579.83	7.0	0.5	7.25	6.29	13.53	2.22	1.11	
BUS	EUSTON BUS STATION	68	579.83	8.0	0.5	7.25	5.75	13.0	2.31	1.15	
BUS	EUSTON BUS STATION	91	579.83	9.0	0.5	7.25	5.33	12.58	2.38	1.19	
LU LRT	Euston Square	HM001	267.65	6.0	0.5	3.35	5.75	9.1	3.3	1.65	
LU LRT	Euston Square	HM003	267.65	1.66	0.5	3.35	18.82	22.17	1.35	0.68	
LU LRT	Euston Square	MP001	267.65	2.66	0.5	3.35	12.03	15.37	1.95	0.98	
LU LRT	Euston Square	MP010	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	MP020	267.65	1.66	0.5	3.35	18.82	22.17	1.35	0.68	
LU LRT	Euston Square	MP013	267.65	1.0	0.5	3.35	30.75	34.1	0.88	0.44	
LU LRT	Euston Square	CC001	267.65	7.33	0.5	3.35	4.84	8.19	3.66	1.83	
LU LRT	Euston Square	MP004	267.65	3.0	0.5	3.35	10.75	14.1	2.13	1.06	
LU LRT	Euston Square	MP008	267.65	2.33	0.5	3.35	13.63	16.97	1.77	0.88	
LU LRT	Euston Square	MP025	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	MP012	267.65	2.0	0.5	3.35	15.75	19.1	1.57	0.79	
LU LRT	Euston Square	CC002	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	MP009	267.65	1.0	0.5	3.35	30.75	34.1	0.88	0.44	
LU LRT	Euston Square	MP023	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	MP024	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	CC003	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	HM002	267.65	1.0	0.5	3.35	30.75	34.1	0.88	0.44	
LU LRT	Euston Square	MP014	267.65	0.33	0.5	3.35	91.66	95.0	0.32	0.16	
LU LRT	Euston Square	MP021	267.65	0.66	0.5	3.35	46.2	49.55	0.61	0.3	
LU LRT	Euston NK101	768.51	9.7	0.5	9.61	3.84	13.45	2.23	1.12		
LU LRT	Warren Street	NX101	123.3	4.85	0.5	1.54	6.94	8.48	3.54	1.77	
LU LRT	Warren Street	NX107	123.3	9.71	0.5	1.54	3.84	5.38	5.58	2.79	
LU LRT	Euston NK102	768.51	9.7	0.5	9.61	3.84	13.45	2.23	1.12		
LU LRT	Warren Street	NX102	123.3	4.85	0.5	1.54	6.94	8.48	3.54	1.77	
LU LRT	Warren Street	VT001	123.3	12.98	0.5	1.54	3.06	4.6	6.52	3.26	
LU LRT	Warren Street	VT002	123.3	14.66	1.0	1.54	2.8	4.34	6.92	6.92	
LU LRT	Regent's Park	BK004	677.38	1.0	0.5	8.47	30.75	39.22	0.76	0.38	
LU LRT	Regent's Park	BK002	677.38	5.66	0.5	8.47	6.05	14.52	2.07	1.03	
LU LRT	Regent's Park	BK005	677.38	0.33	0.5	8.47	91.66	100.13	0.3	0.15	
LU LRT	Regent's Park	BK001	677.38	4.33	0.5	8.47	7.68	16.15	1.86	0.93	
LU LRT	Regent's Park	BK003	677.38	12.0	0.5	8.47	3.25	11.72	2.56	1.28	
NATIONAL_RAIL	LONDON EUSTON	KLBRNHR_EUSTON	768.51	12.06	1.0	9.61	9.61	3.24	12.84	2.34	2.34
NATIONAL_RAIL	LONDON EUSTON	EUSTON_MKNSEN	768.51	6.36	0.5	9.61	9.61	5.47	15.07	1.99	1.0
NATIONAL_RAIL	LONDON EUSTON	NMPTN_EUSTON	768.51	1.67	0.5	9.61	9.61	18.71	28.32	1.06	0.53
NATIONAL_RAIL	LONDON EUSTON	BHAMNWS_EUSTON		768.51	1.67	0.5	9.61	9.61	18.71	28.32	1.06
0.53											
NATIONAL_RAIL	LONDON EUSTON	EUSTON_TRING	768.51	2.34	0.5	9.61	9.61	13.57	23.18	1.29	0.65

Euston Sq PTAL Summary.txt

NATIONAL_RAIL	LONDON EUSTON	EUSTON_NMPTN	768.51	0.67	0.5	9.61	45.53	55.13	0.54	0.27
NATIONAL_RAIL	LONDON EUSTON	WATFJDC_EUSTON	768.51	11.39	0.5	9.61	3.38	12.99	2.31	1.15
NATIONAL_RAIL	LONDON EUSTON	BLTCHLY_EUSTON	768.51	1.0	0.5	9.61	30.75	40.36	0.74	0.37
NATIONAL_RAIL	LONDON EUSTON	EUSTON_WATFDJ	768.51	2.01	0.5	9.61	15.68	25.28	1.19	0.59
NATIONAL_RAIL	LONDON EUSTON	WATFDJ_EUSTON	768.51	1.0	0.5	9.61	30.75	40.36	0.74	0.37

Total AI for this POI is 84.58

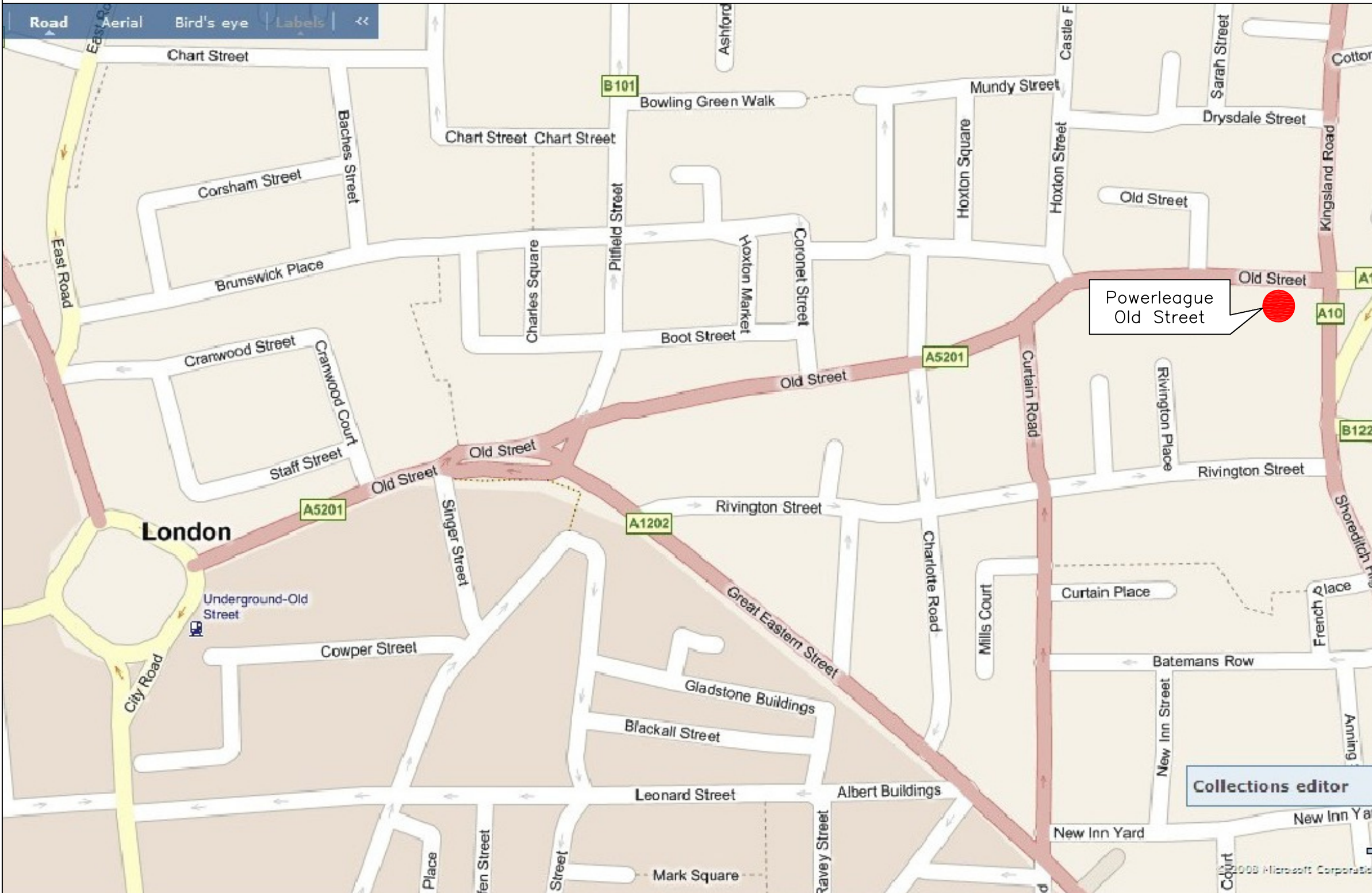
## APPENDIX 2

**Site locations of  
existing centres**



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Key:



REV	DATE	AMENDMENTS	DRAWN	CHK	APP

Waterman Boreham Ltd  
 Regent House  
 Hubert Road  
 Brentwood  
 Essex  
 CM14 4JE  
 Telephone: (01277) 238 100  
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**Waterman Boreham**  
 Transport Planning

BSI  
 FS23721  
 INVESTOR IN PEOPLE

Client  
**British Land**

Project  
**Euston Square Powerleague**

Title  
**Old Street Powerleague Location**

Team	Drawn	Checked	Approved
E	DC	PR 12.12.08	PR 12.12.08

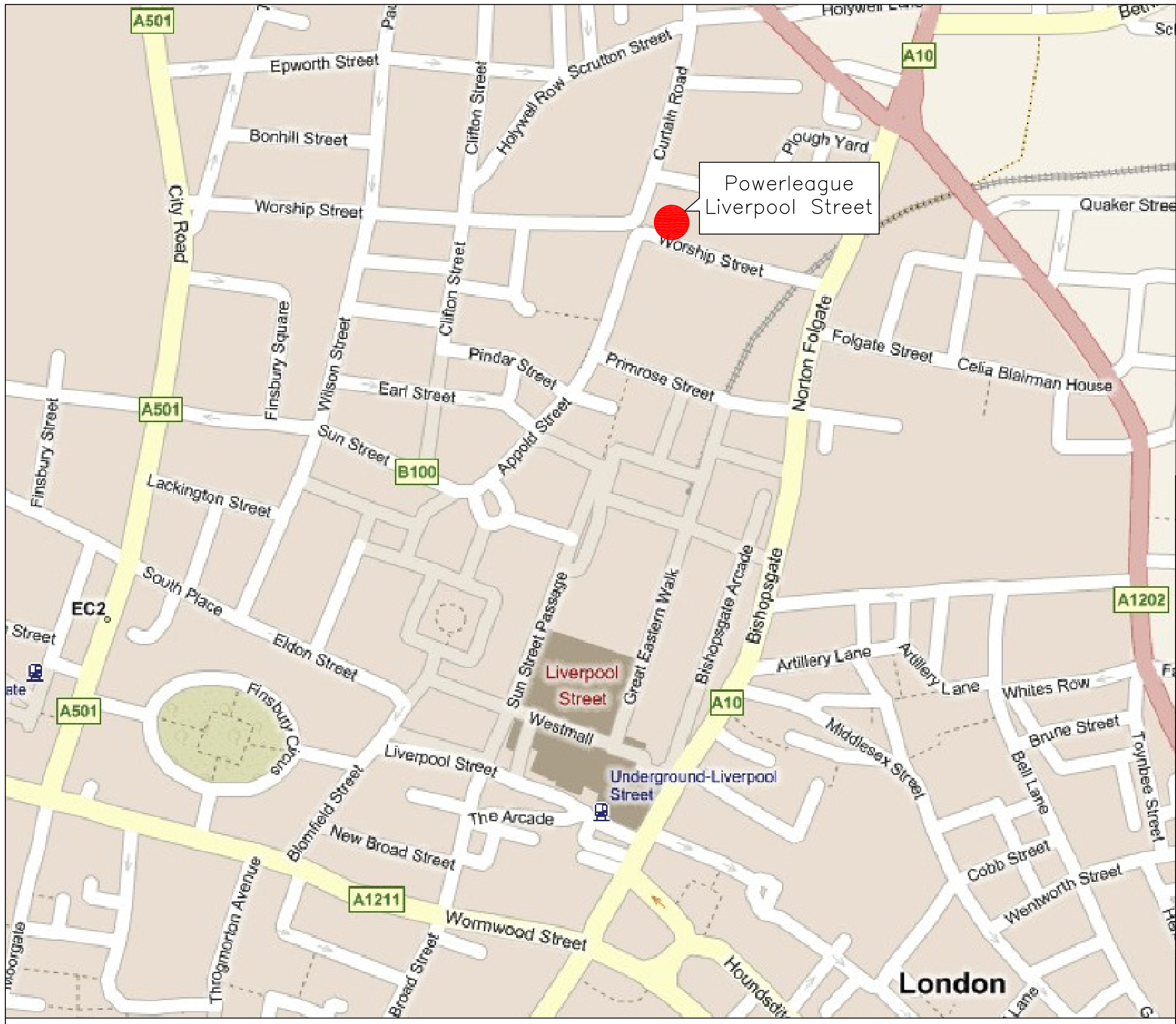
Scale @ A3  
**NTS**

Date  
**24-Nov-08**

Project No.	Drawing No.	Rev
208366	01.1	-

Purpose of Issue  
 Preliminary  
 For Tender  
 For Construction  
 For Information  
 For Approval  
 As Built

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Key:

 Site Location



REV	DATE	AMENDMENTS	DRAWN	CHK	APP
Waterman Boreham Ltd Regent House Hubert Road Brentwood Essex CM14 4JE Telephone: (01277) 238 100 Facsimile: (01277) 238 150 Email: enquiries@waterman-boreham.com					
			 		
Client <p style="text-align: center;"><b>British Land</b></p>					
Project <p style="text-align: center;"><b>Euston Square Powerleague</b></p>					
Title <p style="text-align: center;"><b>Liverpool Street Powerleague Location</b></p>					
Team	Drawn	Checked	Approved		
E	DC	PR 12.12.08	PR 12.12.08		
Scale @ A3		Date			
NTS		24-Nov-08			
Project No.		Drawing No.		Rev	
208366		01.2		-	
Purpose of Issue <input checked="" type="checkbox"/> Preliminary <input type="checkbox"/> For Tender <input type="checkbox"/> For Construction <input type="checkbox"/> For Information <input type="checkbox"/> For Approval <input type="checkbox"/> As Built					

**London**

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## **APPENDIX 3**

**Interview Survey  
Results**

**Powerleague Travel Survey**

**Location: City Powerleague (Liverpool Street)**

**Date: 12/11/08**

Time	Journey From (Postcode or Area travelled from to get to Powerleague)	Mode of Travel to Powerleague	Journey To (Postcode or Area going to following Powerleague)	Mode of Travel from Powerleague	Where Parked? (if car driver / passenger) e.g. name of road, NCP car park
17:38	Kings Cross	Underground	Kings Cross	Underground	
17:38	Kings Cross	Underground	Kings Cross	Underground	
17:38	Kings Cross	Underground	Kings Cross	Underground	
17:40	W1	Underground	N16	Bus	
17:40	Tottenham Court Road	Bicycle	Southwark	Bicycle	Brought inside
17:42	Holborn	Underground	Parsons Green	Underground	
17:45	Victoria	Underground	Palmers Green	Bus	
17:46	SW19	Train	West End	Underground	
17:46	Canary Wharf	Train	West End	Underground	
17:56	Tottenham Court Road	Underground	Walthamstow	Train	
17:59	Westminster	Underground	Tuffnell Park	Bus	
18:00	EC3	Walk	N1	Bus	
18:01	W1	Underground	Barking	Train	
18:01	Barbican	Underground	Upminster	Train	
18:03	EC3	Walk	Abbeywood	Train	
18:10	EC4	Walk	Leytonstone	Train	
18:11	EC3	Walk	Collingdale	Underground	
18:11	EC2	Walk	Tottenham Court Road	Underground	
18:12	EC3	Walk	Romford	Train	
18:12	EC3	Walk	Islington	Underground	
18:13	EC3	Walk	EC3	Walk	
18:15	Canary Wharf	Underground	Chelmsford	Train	
18:15	Canary Wharf	Underground	Elephant and Castle	Underground	
18:16	Fenchurt Street	Underground	Liverpool Street	Walk	
18:21	E14	Underground	E11	Underground	
18:23	London Bridge	Walk	Upminster	Train	
18:28	Blackheath	Underground	Crystal Palace	Underground	
18:32	Farringdon	Car Passenger	E5	Bus	Passenger Road Outside ?
18:32	Farringdon	Car Driver	Farringdon	Car Driver	Driver Road Outside ?
18:35	Fenchurt Street	Walk	Fenchurt Street	Walk	
18:35	Fenchurt Street	Walk	Fenchurt Street	Walk	
18:36	WC2 Chancery Lane	Underground	Romford	Train	
18:36	Farringdon	Underground	Gillingham	Underground	
18:39	Highgate	Underground	Highgate	Underground	
18:40	EC2	Walk	EC2	Walk	
18:41	Tower Hill	Car Passenger	East Dulwich	Train	Passenger Road Outside - Curtain Road ?
18:41	Tower Hill	Car Driver	Tower Hill	Car Driver	Driver Road Outside - Curtain Road ?
18:45	Holborn	Underground	TW20	Train	
18:58	E8	Car Driver	N1	Car Driver	Driver Road Outside - Worship Road ?
19:05	EC1M	Walk	N1	Bus	

	Total To	Total From
Bus	0	8
Underground	30	27
Train	3	25
Walk	36	11
Bicycle	2	2
Car Driver	4	4
Car Passenger	4	2
Taxi	0	0
Total	79	79

	Total To	Total From
Bus	0%	10%
Underground	38%	34%
Train	4%	32%
Walk	46%	14%
Bicycle	3%	3%
Car Driver	5%	5%
Car Passenger	5%	3%
Taxi	0%	0%
Total	100%	100%

**Powerleague Travel Survey**

**Location: City Powerleague (Liverpool Street)**

**Date: 12/11/08**

<b>Time</b>	<b>Journey From</b> (Postcode or Area travelled from to get to Powerleague)	<b>Mode of Travel</b> to Powerleague	<b>Journey To</b> (Postcode or Area going to following Powerleague)	<b>Mode of Travel</b> from Powerleague	<b>Where Parked?</b> (if car driver / passenger) e.g. name of road, NCP car park
19:05	EC1M	Walk	N10	Underground	
19:05	EC1M	Walk	N17	Underground	
19:09	Fenchurt Street	Walk	Liverpool Street	Walk	
19:09	Fenchurt Street	Walk	Liverpool Street	Walk	
19:10	SW1	Underground	N15	Underground	
19:10	E18	Underground	E18	Underground	
19:15	EC1N	Walk	SW2	Underground	
19:15	EC1N	Walk	SE16	Bus	
19:17	EC1	Walk	KT1	Train	
19:19	W1T	Underground	Hackney	Train	
19:32	London Bridge	Walk	Finchley	Underground	
19:37	Greenhythe	Train	Greenhythe	Train	
19:40	Canada Water	Underground	Greenwich	Train	
19:41	EC2	Walk	Hertfordshire	Train	
19:42	EC2	Walk	Wandsworth	Train	
19:44	EC2	Walk	London Bridge	Walk	
19:46	EC2	Walk	Romford	Train	
19:47	EC3	Walk	Bromley	Train	
19:50	EC4	Walk	Essex	Train	
19:50	EC4	Walk	Wilsden Green	Underground	
19:54	EC2	Walk	N1 5TN	Walk	
20:01	EC2	Walk	EC2	Walk	
20:18	Stockwell	Car Passenger	Stockwell	Car Passenger	Passenger Road Outside ?
20:18	Stockwell	Car Passenger	Stockwell	Car Passenger	Passenger Road Outside ?
20:18	Stockwell	Car Driver	Stockwell	Car Driver	Driver Road Outside ?
20:22	EC2	Walk	Hertfordshire	Train	
20:22	EC2	Walk	Tottenham	Train	
20:22	EC2	Walk	Tottenham	Train	
20:25	SW1	Underground	SE10	Train	
20:30	EC2	Walk	N7	Bus	
20:31	NW9	Underground	NW9	Underground	
20:31	NW9	Underground	NW9	Underground	
20:37	E2	Bicycle	E2	Bicycle	Brought inside
20:40	N4 Finsbury Park	Underground	N4 Finsbury Park	Underground	
20:54	EC4	Walk	EC4	Walk	
20:56	Oxford Street	Underground	Putney	Underground	
20:56	Oxford Street	Underground	Woodford	Underground	
21:02	EC3	Walk	Romford	Train	
21:10	W1	Underground	W1	Underground	





**Powerleague Travel Survey**  
**Location:Old Street**

**Date: 13/11/08**

Time	Journey From (Postcode or Area travelled from to get to Powerleague)	Mode of Travel to Powerleague	Journey To (Postcode or Area going to following Powerleague)	Mode of Travel from Powerleague	Where Parked? (if car driver / passenger) e.g. name of road, NCP car park
1739	Bishopsgate	Walk	Tower Bridge	Taxi	
1739	Hackney	Walk	Hackney	Walk	
1739	Hackney	Walk	Hackney	Walk	
1742	Liverpool St	Walk	Islington	Walk	
1742	Liverpool St	Walk	Liverpool St	Walk	
1746	Moorgate	Walk	Buckinghamshire	Underground	
1749	EC2	Walk	W9	Underground	
1749	EC2	Walk	E10	Underground	
1749	EC2	Walk	Stockwell	Underground	
1749	EC2	Walk	Stockwell	Underground	
1749	EC2	Walk	Shepherds Bush	Underground	
1749	EC2	Walk	Limehouse	Bus	
1749	EC2	Walk	Tooting	Underground	
1752	Highgate	Underground	Highgate	Underground	
1754	Bank	Taxi	Clapham	Underground	
1804	Tooting	Underground	Tooting	Underground	
1806	Kings Cross	Walk	New Eltham	Bus	
1808	Camden Town	Underground	Balham	Underground	
1808	Camden Town	Underground	Clapham	Underground	
1808	Camden Town	Underground	Islington	Walk	
1812	Liverpool St	Walk	Clapham Junction	Underground	
1813	Moorgate	Walk	London Bridge	Underground	
1818	Hammersmith	Underground	Maida Vale	Underground	
1820	Oxford Street	Bicycle	Redbridge	Bicycle	
1822	Strand	Underground	Finsbury Park	Underground	
1824	Strand	Underground	Wandsworth	Underground	
1825	SE1	Bicycle	SE1	Bicycle	
1826	Shoreditch	Walk	Shoreditch	Walk	
1829	Islington	Bus	Islington	Bus	
1831	Stoke Newington	Bicycle	Stoke Newington	Bicycle	
1838	Chancery Lane	Bus	Archway	Underground	
1842	Balham	Underground	Balham	Underground	
1845	Aldgate	Walk	Finsbury Park	Train	
1849	Hackney	Bus	Clerkenwell	Bus	
1853	West end	Bicycle	Camden	Bicycle	
1856	Canary Wharf	Underground	Canary Wharf	Underground	
1857	Leicester Square	Underground	Willesden	Underground	
1857	Liverpool St	Walk	Ilford	Underground	
1859	Liverpool St	Bus	Highgate	Underground	
1859	Liverpool St	Bus	Notting Hill	Taxi	

	Total To	Total From
Bus	9	8
Underground	28	42
Train	0	1
Walk	27	14
Bicycle	7	7
Car Driver	1	1
Car Passenger	0	0
Taxi	4	3
Total	76	76

	Total To	Total From
Bus	12%	11%
Underground	37%	55%
Train	0%	1%
Walk	36%	18%
Bicycle	9%	9%
Car Driver	1%	1%
Car Passenger	0%	0%
Taxi	5%	4%
Total	100%	100%



**Powerleague Travel Survey**  
**Location:Old Street**

**Date: 13/11/08**

<b>Time</b>	<b>Journey From</b> (Postcode or Area travelled from to get to Powerleague)	<b>Mode of Travel</b> to Powerleague	<b>Journey To</b> (Postcode or Area going to following Powerleague)	<b>Mode of Travel</b> from Powerleague	<b>Where Parked?</b> (if car driver / passenger) e.g. name of road, NCP car park
1904	Liverpool St	Bus	Liverpool St	Bus	
1904	Liverpool St	Bus	Liverpool St	Bus	
1905	Hackney	Walk	Hackney	Walk	
1906	City	Bus	Upminster	Underground	
1923	Finsbury Park	Underground	Finsbury Park	Underground	
1930	Victoria	Underground	Harrow	Underground	
1930	Victoria	Underground	Luton	Underground	
1930	Victoria	Underground	Enfield	Underground	
1934	Archway	Underground	Archway	Underground	
1936	Fulham	Underground	Fulham	Underground	
1936	Charing Cross	Underground	Colindale	Underground	
1942	City	Underground	Mile End	Underground	
1942	City	Underground	Kilburn	Underground	
1942	Holborn	Underground	Streatham Hill	Underground	
1947	Canary Wharf	Underground	West London	Underground	
1950	Old Street	Walk	Old Street	Walk	
1954	St Pauls	Bus	Crystal Palace	Underground	
1955	Kensington	Underground	Balham	Underground	
1955	Blackfriars	Taxi	Finchley	Underground	
2000	Old Street	Walk	Old Street	Walk	
2001	Canary Wharf	Underground	Islington	Taxi	
2018	Russel Square	Bicycle	Russel Square	Bicycle	
2018	Old Street	Walk	Old Street	Walk	
2029	Aldgate	Car Driver	Enfield	Car Driver	East Road
2030	Angel	Taxi	Clapham	Underground	
2032	Bank	Underground	Brixton	Bus	
2032	Bank	Underground	Brixton	Bus	
2033	Kentish Town	Underground	Finchley	Underground	
2045	Waterloo	Bicycle	Dalston	Bicycle	
2045	St Pauls	Taxi	Balham	Underground	
2051	Brick Lane	Walk	Brick Lane	Walk	
2056	Hackney	Bicycle	Hackney	Bicycle	
2058	Angel	Walk	Angel	Walk	
2105	Islington	Underground	Islington	Underground	
2105	Old Street	Walk	Old Street	Walk	
2113	Shoreditch	Walk	Shoreditch	Walk	





## **APPENDIX 4**

**PTAL summary and  
details for the Liverpool  
Street Site**

Lpool St PTAL Summary.txt

PTAI Study Report File Summary

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PTAI Run Parameters

PTAI Run: 20081811140818  
 Description: 20081811140818  
 Run by user: PTAL web application  
 Date and time: 18/11/2008 14:08

Walk File Parameters

Walk File: PLSQLTest  
 Day of Week: M-F  
 Time Period: AM Peak  
 Walk Speed: 4.8 kph  
 BUS Walk Access Time (mins): 8  
 BUS Reliability Factor: 2.0  
 LU LRT Walk Access Time (mins): 12  
 LU LRT Reliability Factor: 0.75  
 NATIONAL\_RAIL Walk Access Time (mins): 12  
 NATIONAL\_RAIL Reliability Factor: 0.75  
 Coordinates: 533286, 182074

Mode	Stop	Route	Distance (metres)	Frequency (vph)	Weight	Walk time (mins)	SWT (mins)	TAT (mins)			
EDF	AI										
BUS	S'DITCH H S COMMERCIAL S	388	182.04	6.0	0.5	2.28	7.0	9.28	3.23	1.62	
BUS	S'DITCH H S COMMERCIAL S	48	182.04	8.0	0.5	2.28	5.75	8.03	3.74	1.87	
BUS	S'DITCH H S COMMERCIAL S	47	182.04	6.0	0.5	2.28	7.0	9.28	3.23	1.62	
BUS	S'DITCH H S COMMERCIAL S	26	182.04	8.0	0.5	2.28	5.75	8.03	3.74	1.87	
BUS	S'DITCH H S COMMERCIAL S	35	182.04	6.0	0.5	2.28	7.0	9.28	3.23	1.62	
BUS	S'DITCH H S COMMERCIAL S	78	182.04	3.5	0.5	2.28	10.57	12.85	2.34	1.17	
BUS	S'DITCH H S COMMERCIAL S	8	182.04	9.0	0.5	2.28	5.33	7.61	3.94	1.97	
BUS	S'DITCH H S COMMERCIAL S	242	182.04	10.0	0.5	2.28	5.0	7.28	4.12	2.06	
BUS	S'DITCH H S COMMERCIAL S	149	182.04	11.0	1.0	2.28	4.73	7.0	4.28	4.28	
BUS	COMMERCIAL ST ELDER ST	67	394.14	6.0	0.5	4.93	7.0	11.93	2.52	1.26	
BUS	FINSBURY SQUARE STAND	271	538.27	7.5	0.5	6.73	6.0	12.73	2.36	1.18	
BUS	FINSBURY SQUARE STAND	21	538.27	6.75	0.5	6.73	6.44	13.17	2.28	1.14	
BUS	GT EASTERN ST HOLYWELL L		243	469.3	9.0	0.5	5.87	5.33	11.2	2.68	1.34
BUS	GT EASTERN ST HOLYWELL L		55	469.3	8.0	0.5	5.87	5.75	11.62	2.58	1.29
LU LRT	Shoreditch	EL010	873.3	5.13	0.5	10.92	6.6	17.51	1.71	0.86	
LU LRT	Shoreditch	EL009	873.3	5.13	0.5	10.92	6.6	17.51	1.71	0.86	
LU LRT	Moorgate MP010	909.95	0.33	0.5	11.37	91.66	103.03	0.29	0.15		
LU LRT	Liverpool Street	HM003	870.06	1.66	0.5	10.88	18.82	29.7	1.01	0.51	

Lpool St PTAL Summary.txt

LU LRT	Liverpool Street	HM002	870.06	1.0	0.5	10.88	30.75	41.63	0.72	0.36
LU LRT	Liverpool Street	MP008	870.06	2.33	0.5	10.88	13.63	24.5	1.22	0.61
LU LRT	Liverpool Street	MP009	870.06	1.0	0.5	10.88	30.75	41.63	0.72	0.36
LU LRT	Liverpool Street	MP021	870.06	0.66	0.5	10.88	46.2	57.08	0.53	0.26
LU LRT	Liverpool Street	MP013	870.06	1.0	0.5	10.88	30.75	41.63	0.72	0.36
LU LRT	Liverpool Street	MP014	870.06	0.33	0.5	10.88	91.66	102.53	0.29	0.15
LU LRT	Liverpool Street	MP004	870.06	3.0	0.5	10.88	10.75	21.63	1.39	0.69
LU LRT	Liverpool Street	MP012	870.06	2.0	0.5	10.88	15.75	26.63	1.13	0.56
LU LRT	Liverpool Street	MP001	870.06	2.66	0.5	10.88	12.03	22.9	1.31	0.65
LU LRT	Moorgate NK102	909.95	9.7	1.0	11.37	3.84	15.22	1.97	1.97	
LU LRT	Liverpool Street	CC001	870.06	7.33	0.5	10.88	4.84	15.72	1.91	0.95
LU LRT	Moorgate NK101	909.95	9.7	0.5	11.37	3.84	15.22	1.97	0.99	
LU LRT	Moorgate MP023	909.95	0.33	0.5	11.37	91.66	103.03	0.29	0.15	
LU LRT	Moorgate MP025	909.95	0.33	0.5	11.37	91.66	103.03	0.29	0.15	
LU LRT	Liverpool Street	CC003	870.06	0.33	0.5	10.88	91.66	102.53	0.29	0.15
LU LRT	Liverpool Street	HM001	870.06	6.0	0.5	10.88	5.75	16.63	1.8	0.9
LU LRT	Moorgate MP024	909.95	0.33	0.5	11.37	91.66	103.03	0.29	0.15	
LU LRT	Liverpool Street	MP020	870.06	1.66	0.5	10.88	18.82	29.7	1.01	0.51
LU LRT	Liverpool Street	CN102	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
LU LRT	Liverpool Street	CN106	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
LU LRT	Liverpool Street	CN104	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
LU LRT	Liverpool Street	CN107	870.06	1.53	0.5	10.88	20.36	31.23	0.96	0.48
LU LRT	Liverpool Street	CN105	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
LU LRT	Liverpool Street	CN103	870.06	3.83	0.5	10.88	8.58	19.46	1.54	0.77
LU LRT	Liverpool Street	CN108	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
LU LRT	Liverpool Street	CN110	870.06	3.83	0.5	10.88	8.58	19.46	1.54	0.77
LU LRT	Liverpool Street	CN101	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
LU LRT	Liverpool Street	CN109	870.06	2.3	0.5	10.88	13.79	24.67	1.22	0.61
NATIONAL_RAIL	LONDON LIVERPOOL STREET LIVST_HERTFDE		911.78	1.34	0.5	11.4	23.14	34.54	0.87	
0.43										
NATIONAL_RAIL	LONDON LIVERPOOL STREET BROXBRN LIVST		911.78	0.67	0.5	11.4	45.53	56.92	0.53	
0.26										
NATIONAL_RAIL	LONDON LIVERPOOL STREET GIDEAPK LIVST		911.78	1.34	0.5	11.4	23.14	34.54	0.87	
0.43										
NATIONAL_RAIL	LONDON LIVERPOOL STREET SHENFLD LIVST		911.78	2.01	0.5	11.4	15.68	27.07	1.11	
0.55										
NATIONAL_RAIL	LONDON LIVERPOOL STREET STANAIR LIVST		911.78	0.67	0.5	11.4	45.53	56.92	0.53	
0.26										
NATIONAL_RAIL	LONDON LIVERPOOL STREET STHVIC LIVST		911.78	0.67	0.5	11.4	45.53	56.92	0.53	
0.26										

Lpool St PTAL Summary.txt

NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET LIVST_CAMBDGE	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET LIVST_BRAINTR	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.71	LONDON LIVERPOOL STREET LIVST_STHVIC	911.78	3.35	0.5	11.4	9.71	21.1	1.42
NATIONAL_RAIL 1.89	LONDON LIVERPOOL STREET LIVST_SHENFLD	911.78	8.04	1.0	11.4	4.48	15.88	1.89
NATIONAL_RAIL 0.76	LONDON LIVERPOOL STREET LIVST_CHINGFD	911.78	4.02	0.5	11.4	8.21	19.61	1.53
NATIONAL_RAIL 0.68	LONDON LIVERPOOL STREET ENFLDTN LIVST	911.78	3.01	0.5	11.4	10.72	22.11	1.36
NATIONAL_RAIL 0.64	LONDON LIVERPOOL STREET LIVST_ILFORD	911.78	2.68	0.5	11.4	11.94	23.34	1.29
NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET LIVST_CHESHNT	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.55	LONDON LIVERPOOL STREET LIVST_STANAIR	911.78	2.01	0.5	11.4	15.68	27.07	1.11
NATIONAL_RAIL 0.5	LONDON LIVERPOOL STREET CHESHNT LIVST	911.78	1.67	0.5	11.4	18.71	30.11	1.0
NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET LIVST_KLYNN	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET SMINSTR LIVST	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET LIVST_CLACTON	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.26	LONDON LIVERPOOL STREET HARWICH LIVST	911.78	0.67	0.5	11.4	45.53	56.92	0.53
NATIONAL_RAIL 0.5	LONDON LIVERPOOL STREET CAMBDGE LIVST	911.78	1.67	0.5	11.4	18.71	30.11	1.0
NATIONAL_RAIL 0.43	LONDON LIVERPOOL STREET LIVST_IPSWICH	911.78	1.34	0.5	11.4	23.14	34.54	0.87
NATIONAL_RAIL 0.15	LONDON LIVERPOOL STREET BSHPSFD LIVST	911.78	0.33	0.5	11.4	91.66	103.06	0.29
NATIONAL_RAIL 0.15	LONDON LIVERPOOL STREET LIVST_WONNAZE	911.78	0.33	0.5	11.4	91.66	103.06	0.29
NATIONAL_RAIL 0.15	LONDON LIVERPOOL STREET ELYY LIVST	911.78	0.33	0.5	11.4	91.66	103.06	0.29
NATIONAL_RAIL 0.15	LONDON LIVERPOOL STREET HERTFDE LIVST	911.78	0.33	0.5	11.4	91.66	103.06	0.29

Lpool St PTAL Summary.txt

NATIONAL_RAIL	LONDON LIVERPOOL STREET	LIVST_BSHPSFD	911.78	0.67	0.5	11.4	45.53	56.92	0.53	
0.26										
NATIONAL_RAIL	LONDON LIVERPOOL STREET	LIVST_CLCHRTN	911.78	0.67	0.5	11.4	45.53	56.92	0.53	
0.26										
NATIONAL_RAIL	MOORGATE	BEDFDM_MGTE	909.95	0.67	0.5	11.37	45.53	56.9	0.53	0.26
NATIONAL_RAIL	MOORGATE	HRPNDN_MGTE	909.95	0.67	0.5	11.37	45.53	56.9	0.53	0.26
NATIONAL_RAIL	MOORGATE	MGTE_HRPNDN	909.95	0.67	0.5	11.37	45.53	56.9	0.53	0.26
NATIONAL_RAIL	MOORGATE	MGTE_STALBCY	909.95	0.67	0.5	11.37	45.53	56.9	0.53	0.26
NATIONAL_RAIL	MOORGATE	LUTON_MGTE	909.95	1.34	0.5	11.37	23.14	34.51	0.87	0.43
NATIONAL_RAIL	MOORGATE	MGTE_BEDFDM	909.95	0.67	0.5	11.37	45.53	56.9	0.53	0.26
NATIONAL_RAIL	MOORGATE	STALBCY_MGTE	909.95	0.67	0.5	11.37	45.53	56.9	0.53	0.26
NATIONAL_RAIL	MOORGATE	MGTE_LUTON	909.95	1.34	0.5	11.37	23.14	34.51	0.87	0.43

Total AI for this POI is 57.13



## **APPENDIX 5**

**PTAL summary and  
details for the Old  
Street Site**

Old St PTAL Summary.txt

PTAI Study Report File Summary

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PTAI Run Parameters

PTAI Run: 20081811141126  
 Description: 20081811141126  
 Run by user: PTAL web application  
 Date and time: 18/11/2008 14:11

Walk File Parameters

Walk File: PLSQLTest  
 Day of Week: M-F  
 Time Period: AM Peak  
 Walk Speed: 4.8 kph  
 BUS Walk Access Time (mins): 8  
 BUS Reliability Factor: 2.0  
 LU LRT Walk Access Time (mins): 12  
 LU LRT Reliability Factor: 0.75  
 NATIONAL\_RAIL Walk Access Time (mins): 12  
 NATIONAL\_RAIL Reliability Factor: 0.75  
 Coordinates: 533357, 182666

Mode	Stop	Route	Distance (metres)	Frequency (vph)	Weight	Walk time (mins)	SWT (mins)	TAT (mins)			
EDF	AI										
BUS	SHOREDITCH CHURCH		48	125.63	8.0	0.5	1.57	5.75	7.32	4.1	2.05
BUS	SHOREDITCH CHURCH		26	125.63	8.0	0.5	1.57	5.75	7.32	4.1	2.05
BUS	SHOREDITCH HACKNEY ROAD		55	169.45	8.0	0.5	2.12	5.75	7.87	3.81	1.91
BUS	KINGSLAND RD RAILWAY BDG		243	124.42	9.0	0.5	1.56	5.33	6.89	4.36	2.18
BUS	SHOREDITCH BETHNAL GN RD		8	557.97	9.0	0.5	6.97	5.33	12.31	2.44	1.22
BUS	SHOREDITCH TOWN HALL		47	19.05	6.0	0.5	0.24	7.0	7.24	4.14	2.07
BUS	KINGSLAND RD RAILWAY BDG		67	124.42	6.0	0.5	1.56	7.0	8.56	3.51	1.75
BUS	SHOREDITCH CALVERT AVE		78	160.14	3.5	0.5	2.0	10.57	12.57	2.39	1.19
BUS	KINGSLAND RD RAILWAY BDG		242	124.42	10.0	0.5	1.56	5.0	6.56	4.58	2.29
BUS	KINGSLAND RD RAILWAY BDG		149	124.42	11.0	1.0	1.56	4.73	6.28	4.78	4.78
BUS	SHOREDITCH TOWN HALL		35	19.05	6.0	0.5	0.24	7.0	7.24	4.14	2.07
BUS	KINGSLAND RD FALKIRK ST		394	357.41	3.5	0.5	4.47	10.57	15.04	1.99	1.0
LU LRT	Old StreetNK101		635.35	9.7	1.0	7.94	3.84	11.78	2.55	2.55	
LU LRT	Old StreetNK102		635.35	9.7	0.5	7.94	3.84	11.78	2.55	1.27	
NATIONAL_RAIL	OLD STREET	MRGT_FNPK	635.35	2.68	1.0	7.94	11.94	19.89	1.51	1.51	
NATIONAL_RAIL	OLD STREET	MRGT_STEVNGE	635.35	1.0	0.5	7.94	30.75	38.69	0.78	0.39	
NATIONAL_RAIL	OLD STREET	MRGT_WLWYNGC	635.35	2.34	0.5	7.94	13.57	21.51	1.39	0.7	
NATIONAL_RAIL	OLD STREET	MRGT_HFDN	635.35	1.34	0.5	7.94	23.14	31.08	0.97	0.48	

Old St PTAL Summary.txt

NATIONAL_RAIL	OLD STREET	MRGT_GORDONH	635.35	1.34	0.5	7.94	23.14	31.08	0.97	0.48
NATIONAL_RAIL	OLD STREET	WLWYNGC_MRGT	635.35	0.33	0.5	7.94	91.66	99.6	0.3	0.15
NATIONAL_RAIL	OLD STREET	LTCE_MRGT	635.35	0.33	0.5	7.94	91.66	99.6	0.3	0.15
NATIONAL_RAIL	OLD STREET	MRGT_LTCE	635.35	0.67	0.5	7.94	45.53	53.47	0.56	0.28
NATIONAL_RAIL	OLD STREET	HFDN_MRGT	635.35	0.67	0.5	7.94	45.53	53.47	0.56	0.28
NATIONAL_RAIL	OLD STREET	STEVNGE_MRGT	635.35	0.33	0.5	7.94	91.66	99.6	0.3	0.15

Total AI for this POI is 32.94